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TITLE: System for calibrating seismometer -
noise and micro-seismic signals pre-calibrated
on component seismometer and signals subtracted
from output signals

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PATENT-FAMILY:

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ABSTRACTED-PUB-NO: SU 1488742A

BASIC-ABSTRACT:

Prior to calibration, the levels of noise and microseisms are measured simultaneously and calibrated. The component seismometers mounted on the same base (1) are similarly calibrated. Scale amplifier (6), in the circuit of compensating seismometer (3), finds the minimum level of the signal at the

output of differential amplifier (7). The amplitude of the signal from compensating oscillator (8) is regulated and the phase adjusted by phase shifter (9), via differential amplifier (10). The noise-microseismic signal at calibration frequency is then subtracted from the output signal of differential amplifier (7).

USE/ADVANTAGE - In field seismology, for calibrating seismometers. Accuracy of calibration under noisy or microseismic conditions is improved.
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CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS: SYSTEM CALIBRATE SEISMIC NOISE MICRO SEISMIC
SIGNAL PRE CALIBRATE
COMPONENT SEISMIC SIGNAL SUBTRACT OUTPUT SIGNAL

DERWENT-CLASS: S03

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